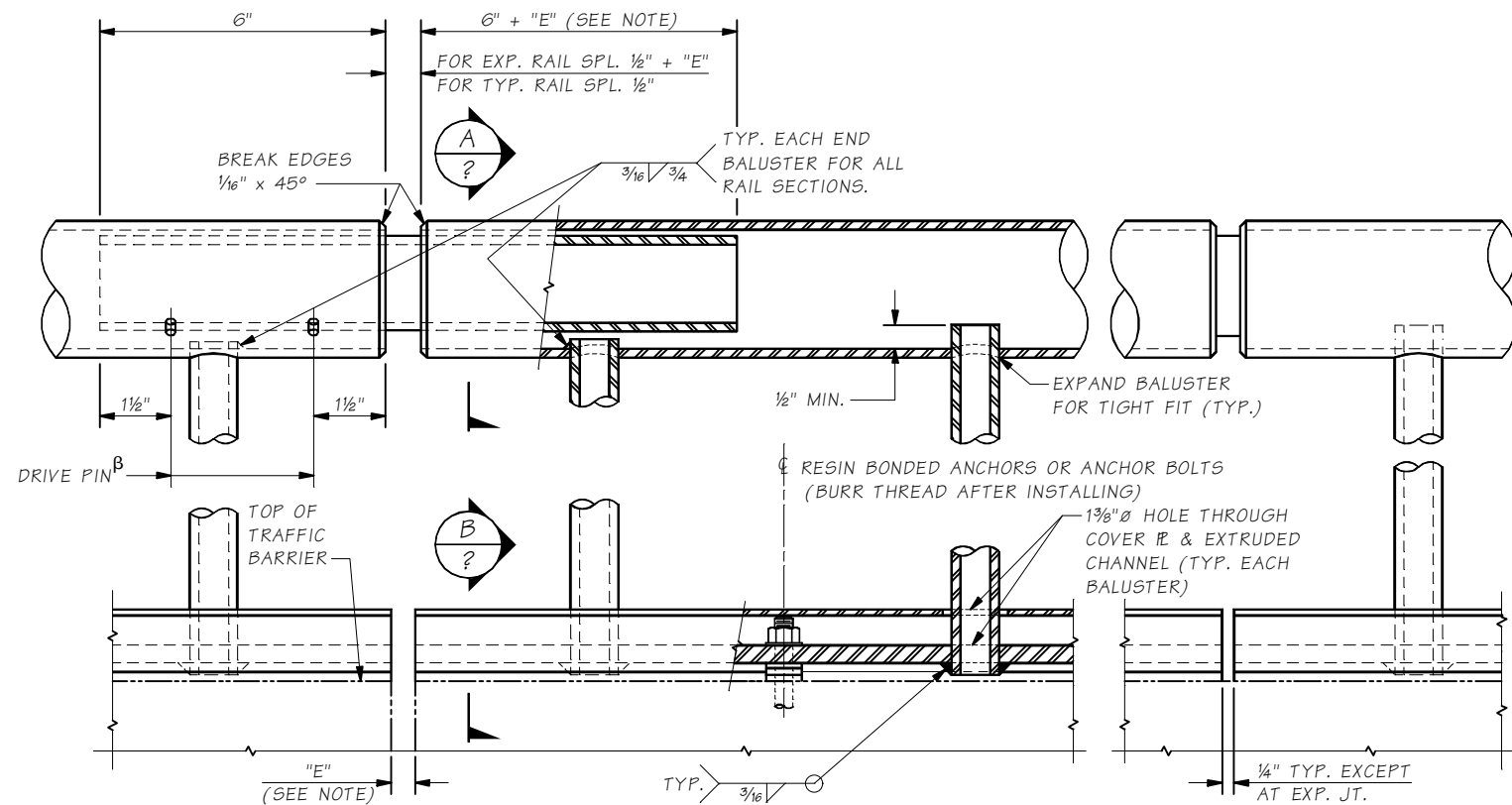


### ELEVATION

BALUSTER AND GUARDRAIL SECTION  
ATTACHMENT DETAILS NOT SHOWN.



### GENERAL DETAIL

### NOTES

1. PIPE RAILING, PIPE RAILING SPLICES, COVER PLATES AND BOTTOM EXTRUDED CHANNELS SHALL BE BENT TO THE HORIZONTAL CURVE WHERE THE RADIUS OF CURVATURE IS LESS THAN 200'. THESE ITEMS MAY BE HEATED TO NOT MORE THAN 400°F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING TO HORIZONTAL CURVATURE.
2. SHOP DRAWINGS OF RAILING SHALL BE SUBMITTED FOR APPROVAL SHOWING COMPLETE DIMENSIONS AND DETAILS OF FABRICATION AND INCLUDING AN ERECTION DIAGRAM. MATERIAL SPECIFICATIONS SHALL BE PROVIDED IN THE SHOP DRAWINGS FOR ALL COMPONENTS.
3. CUTTING SHALL BE DONE BY SAWING OR MILLING AND ALL CUTS SHALL BE TRUE AND SMOOTH. FLAME CUTTING WILL NOT BE PERMITTED.
4. WELDING OF ALUMINUM SHALL CONFORM TO STD. SPEC. SECTION 9-28.14(3).
5. ALL ALUMINUM PARTS SHALL BE GIVEN A \*[CLEAR OR BRONZE] ANODIC COATING OF AT LEAST 0.0006" THICK AND SEALED TO MEET THE REQUIREMENTS OF ASTM B 580 WITH A UNIFORM FINISH.
6. PIPE RAILING, PIPE BALUSTERS AND PIPE RAILING SPLICES SHALL BE ADEQUATELY WRAPPED TO INSURE SURFACE PROTECTION DURING HANDLING AND TRANSPORTATION TO THE JOB SITE.

\* NOTE TO DESIGNER:  
Designer to choose color for their project in  
consultation with the Bridge Architect.

α PROVIDE EXPANSION RAIL SPLICE AT TRAFFIC BARRIER  
EXPANSION JOINTS. RAIL SPLICE JOINTS ARE NOT  
REQUIRED AT TRAFFIC BARRIER DUMMY JOINTS.

β LOCATE ON OPPOSITE SIDE OF TRAFFIC. DRIVE PINS  
SHALL BE DRIVEN FLUSH WITH THE OUTSIDE FACE OF  
THE RAILING.

NOTE:  
"E" DIMENSION SHALL BE EQUAL TO OPENING OF  
TRAFFIC BARRIER EXPANSION JOINTS.

Bridge Design Engr.	M:\STANDARDS\BP Rails\Ped_Rail1.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By		JOB NUMBER				
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

Mon May 07 08:34:44 2012

BRIDGE  
AND  
STRUCTURES  
OFFICE



STANDARD RAILINGS

BRIDGE RAILING TYPE PEDESTRIAN  
DETAILS 1 OF 2

BRIDGE  
SHEET NO.  
SHEET  
OF  
SHEETS

Last revised on : 08/26/2010

SR JOB NO. SHEET

10.5-A1-1